

19" (18.0" VIS) XSD™ monitor

109B₁₀

Product description

- 19-inch (18.0" VIS) color monitor with excellent front of screen performance for use with MACs and PCs
- Autoscan covers horizontal frequencies up to 96 KHz offering a maximum resolution of 1920 x 1440 with flicker free display of 1280 x 1024 at up to 90 KHz
- Flat Square High Contrast CRT with high-resolution 0.25 mm dot pitch (0.21 mm hdp)
- XSD- XtraSpace Design™ for large screen display in a small footprint: World's shortest 19" monitor with maximum depth of only 396 mm/15.6" that matches most of today's 15-inch monitors
- Outstanding ease of use thanks to CustoMax® monitor control software via USB
- Multimedia Base and USB Hub option
- TCO99, E2000, NUTEK, EPA, FCC, CE and ISO9241 certified



(at selected countries)



CustoMax® control via USB

Optional USB HUB PCUH411

Optional Multimedia Base 6G3B10



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Technical Specifications

CRT

- Size (inch/cm) 19" / 46 cm
- Deflection angle (degrees) 100°
- Dot pitch 0.25 mm
- Horizontal pitch 0.21 mm
- Horizontal pitch -Tube type Shadow mask, Flat Square, High Contrast, Anti Glare, Anti Static, Anti reflection, Light Transmission 46%
- Phosphor P22
- Recom. display area(mm) 355 x 265 mm
- Recom. display area(inch) 14" x 10.4"
- Max. display area(mm) 365 x 274 mm
- Max. display area(inch) 14.4" x 10.8"

Scanning

- Horizontal scanning 30 - 96 KHz
- Vertical scanning 50 - 160 Hz

Video

- Video dot rate 234 MHz
- Input impedance -Video 75 Ohm
- -Sync 2.2k Ohm
- Input signal levels 0.7 Vpp
- Sync input signal Separate sync
- Sync polarities Composite sync
- Sync polarities Positive and negative

White color temperature

Chromaticity CIE coordinates:

- at 9300 K: x=0.283, y=0.297
- at 6500 K: x=0.313, y=0.329
- at 5500 K: x=0.332, y=0.347

Resolution and preset modes

- Max. resolution 1920 x 1440
 - Recom. resolution 1280 x 1024
 - 16 user definable modes
 - 35 factory preset modes:
- | | H.freq (kHz)/V.freq (Hz) |
|-------------|--|
| 640 x 350 | 31.5K/70; 37.9K/85 |
| 640 x 480 | 31.5K/60; 37.9K/72; 37.5K/75;
43.3K/85; 50.6K/100 |
| 720 x 400 | 31.5K/70; 37.9K/85 |
| 800 x 600 | 37.9K/60; 48.1K/72; 46.9K/75;
53.7K/85; 63.9K/100 |
| 832 x 624 | 49.7K/75 |
| 1024 x 768 | 48.4K/60; 56.5K/70; 60.0K/75;
68.7K/85 |
| 1152 x 864 | 67.5K/75; 77K/85 |
| 1152 x 870 | 68.7K/75 |
| 1152 x 900 | 71.8K/76 |
| 1280 x 960 | 60.0K/60; 85.9K/85 |
| 1280 x 1024 | 64.0K/60; 80.0K/75; 91.1K/85 |
| 1600 x 1200 | 75.0K/60; 81.3K/65; 87.5K/70;
93.8K/75 |
| 1792 x 1344 | 83.6K/60 |
| 1856 x 1392 | 86.3K/60 |
| 1920 x 1440 | 90.0K/60 |

Plug and play compatibility

- Display Data Channel DDC 1/2B
- Microsoft®, Windows® 95/98/NT compatible

Power management

- Complies with EPA Energy Star and NUTEK specifications
- Operation (typ.) 95 W
- Suspend/Stand By mode (typ.) < 10 W
- Off mode/ Deep Sleep < 3 W

Low-emission characteristics

- Complies with MPR-II and TCO '99 specifications

Monitor controls and functions

- Main 5-button OSD
Brightness +/- direct access
Contrast +/- direct access
- On Screen Display Language (English, Spanish, French, German, Italian), zoom, horizontal, vertical, pincushion, balanced, trapezoid, parallelogram, color, reset, degauss, moire, serial number, resolution, frequency
- CustoMax® via USB Adjustments, test patterns, on screen help

Connections and Cables

- Connections -Video 15-pin D-Shell upstream port
- -USB upstream port
- Cables Video(fixed), Power and USB

Regulatory approvals

- TCO '99
- MPR-II Low Emission
- TÜV/GS, TÜV-Ergo
- FCC-B, UL, CSA, DHHS
- SEMKO, Poland-B sign, C-Tick
- VCC-I, CE, BCIQ, PSB

Physical specifications

- Dim. incl. base (WxHxD)(mm) 440 x 447 x 396
- Dim. incl. base (WxHxD)(inch) 17.3" x 17.6" x 15.6"
- Dim. excl. base (WxHxD)(mm) 440 x 399 x 396
- Dim. excl. base (WxHxD)(inch) 17.3" x 15.7" x 15.6"
- Weight (kg) 20 kg
- Power supply 90 - 264 VAC, 50/60Hz
- Temperature (operational) 0°C to +40°C/ 32° to 104°F
- Temperature (storage) -25°C to +65°C/ -13° to 149°F
- Relative humidity 5% to 95%
- MTBF (excl. CRT) > 75,000 H

Other

- USB Hub option type: PCUH411
- Multimedia Base option type: 6G3B10

This monitor fulfills all Nutek requirements regarding power management. Philips is a partner in the EPA's Energy Star Computers Program. As an Energy Star partner, Philips has determined that this product meets the Energy Star guidelines for energy efficiency. MAC is a registered trademark of Apple Computer, Inc. MS-DOS is a registered trademark and Windows® 95/98/NT is a trademark of Microsoft Corp. All trademark acknowledged. Copyright ©1999 Philips Electronics N.V.

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